



10553608 - GAU: 1633

PTO/SB/08a/b (07-05)

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| Substitute for form 1449A/B/PTO | | Complete if Known | |
| | | Application Number | 10/553608 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Filing Date | October 18, 2005 |
| | | First Named Inventor | Richard L. BOYD |
| | | Art Unit | Not Yet Assigned |
| | | Examiner Name | Not Yet Assigned |
| | | Attorney Docket Number | 0286336.00160US1/NOR-021US |
| Sheet | 1 | of | 10 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | AA* | US-20040241842-A1 | 12-02-2004 | Boyd | |
| | AB* | US-20040259803 | 12-23-2004 | Boyd | |
| | AC* | US-20040013641-A1 | 01-22-2004 | Boyd | |
| | AD* | US-20050042679 | 02-24-2005 | Boyd et al. | |
| | AE* | US-3,972,859 | 08-03-1976 | Fujino et al. | |
| | AF* | US-4,003,884 | 01-18-1977 | Konig et al. | |
| | AG* | US-4,008,209 | 02-15-1977 | Fujino et al. | |
| | AH* | US-4,010,149 | 03-01-1977 | Baba et al. | |
| | AI* | US-4,024,121 | 05-17-1977 | Schally et al. | |
| | AJ* | US-4,100,274 | 07-11-1978 | Dutta et al. | |
| | AK* | US-4,128,638 | 12-05-1978 | Moody | |
| | AL* | US-4,234,571 | 11-18-1980 | Nestor et al. | |
| | AM* | US-4,490,291 | 12-25-1984 | Fujino | |
| | AN* | US-4,642,332 | 02-10-1987 | Folkers et al. | |
| | AO* | US-4,775,361 | 10-04-1988 | Jacques et al. | |
| | AP* | US-4,992,421 | 02-12-1991 | De et al. | |
| | AQ* | US-5,061,620 | 10-29-1991 | Tsukamoto et al. | |
| | AR* | US-5,144,019 | 09-01-1992 | Rossi et al. | |
| | AS* | US-5,258,492 | 11-02-1993 | Schally et al. | |
| | AT* | US-5,434,136 | 07-18-1995 | Mathias | |
| | AU* | US-5,506,207 | 04-09-1996 | Rivier et al. | |
| | AV* | US-5,614,187 | 03-25-1997 | Sachs | |
| | AW* | US-5,624,823 | 04-29-1997 | Sachs et al. | |
| | AX* | US-5,658,564 | 08-19-1997 | Sykes et al. | |
| | AY* | US-5,658,892 | 08-19-1997 | Flotte et al. | |
| | AZ* | US-5,736,524 | 04-07-1998 | Content et al. | |
| | AA1* | US-5,760,000 | 06-02-1998 | Habibi | |
| | AB1* | US-5,814,617 | 09-29-1998 | Hoffman et al. | |
| | AC1* | US-5,876,708 | 03-02-1999 | Sachs | |
| | AD1* | US-6,030,833 | 02-29-2000 | Seebach et al. | |
| | AE1* | US-6,103,694 | 08-15-2000 | Mardiney et al. | |
| | AF1* | US-6,296,846 | 10-02-2001 | Sachs et al. | |
| | AG1* | US-6,315,772 | 11-13-2001 | Marchitto et al. | |
| | AH1* | US-6,558,663 | 05-06-2003 | Seebach et al. | |
| | AI1* | US-6,248,329 | 06-19-2001 | Chandrashekar et al. | |
| | AJ1* | US-6,492,145 | 12-10-2002 | Lowrie | |
| | AK1* | US-6,306,651 | 10-23-2001 | Sachs | |
| | AL1* | US-6,251,099 | 06-26-2001 | Kollias et al. | |
| | AM1* | US-6,056,738 | 05-02-2000 | Marchitto et al. | |
| | AN1* | US-5,985,892 | 11-16-1999 | Walsh et al. | |
| | AO1* | US-5,839,446 | 11-24-1998 | Waner et al. | |
| | AP1* | US-5,811,275 | 09-22-1998 | Wong-Staal et al. | |
| | AQ1* | US-5,741,706 | 04-21-1998 | Leavitt et al. | |
| | AR1* | US-5,681,559 | 10-28-1997 | DiGiusto et al. | |
| | AS1* | US-5,658,822 | 08-19-1997 | Wu et al. | |
| Examiner Signature | | | | Date Considered | |

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

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| | | | | | |
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| | | | | | |
|--|------|-------------------|------------|-----------------|--|
| | AT1* | US-5,643,252 | 07-01-1997 | Waner et al. | |
| | AU1* | US-5,614,502 | 03-25-1997 | Flotte et al. | |
| | AV1* | US-5,559,703 | 09-24-1996 | Iwata et al. | |
| | AW1* | US-5,410,016 | 04-25-1995 | Hubbell et al. | |
| | AX1* | US-5,399,493 | 03-21-1995 | Emerson et al. | |
| | AY1* | US-5,199,942 | 04-06-1993 | Gillis | |
| | AZ1* | US-5,073,624 | 12-17-1991 | Coy et al. | |
| | AA2* | US-5,003,011 | 03-26-1991 | Coy et al. | |
| | AB2* | US-4,866,160 | 09-12-1989 | Coy et al. | |
| | AC2* | US-4,656,247 | 04-07-1987 | Folkers et al. | |
| | AD2* | US-4,608,251 | 08-26-1986 | Mia | |
| | AE2* | US-4,275,001 | 06-23-1981 | Konig et al. | |
| | AF2* | US-4,218,439 | 08-19-1980 | Rivier et al. | |
| | AG2* | US-4,118,483 | 10-03-1978 | Konig et al. | |
| | AH2* | US-4,089,946 | 05-16-1978 | Foell et al. | |
| | AI2* | US-4,018,726 | 04-19-1977 | Schally et al. | |
| | AJ2* | US-4,010,125 | 03-01-1977 | Schally et al. | |
| | AK2* | US-4,005,063 | 01-25-1977 | Gendrich et al. | |
| | AL2* | US-3,992,365 | 11-16-1976 | Beddell et al. | |
| | AM2* | US-20050043245 | 02-24-2005 | Siler-Khodr | |
| | AN2* | US-20050020524 | 01-27-2005 | Boyd | |
| | AO2* | US-20040265285 | 12-30-2004 | Boyd | |
| | AP2* | US-20040258672-A1 | 12-23-2004 | Boyd | |
| | AQ2* | US-20040132179 | 07-08-2004 | Boyd | |
| | AR2* | US-20040018180-A1 | 01-29-2004 | Boyd | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------------------|---------------------------|--|-----------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ² | Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | BA | WO-00/62657 | | 10-26-2000 | MONASH UNIVERSITY | | |
| | BB | WO-93/15722 | | 08-19-1993 | SYNTEX (USA) INC. | | |
| | BC | EP-217659 | | 04-25-1990 | EASTERN VIRGINIA MEDICAL AUTHORITY | | |
| | BD | WO-94/26877 | | 11-24-1994 | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA | | |
| | BE | WO-01/74377 | | 10-11-2001 | SILER-KHODR, KHODR | | |
| | BF | WO-92/19746 | | 11-12-1992 | CSL LIMITED, COX, John, Cooper, EDWARDS, Stirling, John | | |
| | BG | WO-01/34815 | | 05-17-2001 | CAMBRIA BIOSCIENCES, LLC | | |
| | BH | WO-96/22766 | | 08-01-1996 | TAKEDA CHEMICAL INDUSTRIES, LTD. | | |
| | BI | GB-9112825 | | 07-31-1991 | IMPERIAL CHEMICAL INDUSTRIES PLC | | |
| | BJ | WO-96/33282 | | 10-24-1996 | CHIRON VIAGENE, INC. | | |
| Examiner Signature | | | | | Date Considered | | |

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./

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| Sheet | 3 | of | 10 | Attorney Docket Number | 0286336.00160US1/NOR-021US |

| | | | | | |
|-----|-------------|------------|---|--|--|
| BK | WO-96/33281 | 10-24-1996 | CHIRON VIAGENE, INC., SYSTEMIX | | |
| BL | WO-98/23325 | 06-04-1998 | THE GENERAL HOSPITAL CORPORATION | | |
| BM | DK-2509783 | 09-11-1975 | TAKEDA CHEMICAL INDUSTRIES, LTD. OSAKA, JP | | |
| BN | WO-99/32619 | 07-01-1999 | THE CARNEGIE INSTITUTE OF WASHINGTON ET AL | | |
| BO | WO-88/01176 | 02-25-1988 | BUNGE (AUSTRALIA) PTY. LTD., BRANDON, Malcolm, Roy | | |
| BP | EP-413209 | 02-20-1991 | ABBOTT LABORATORIES | | |
| BQ | EP-181236 | 05-14-1986 | PITMAN-MOORE, INC | | |
| BR | WO-02/31110 | 04-18-2002 | BOYD | | |
| BS | WO-99/29728 | 06-17-1999 | UNIVERSITY OF MARYLAND BIOTECHNOLOGY INSTITUTE | | |
| BT | WO-98/08533 | 03-05-1998 | PEPTECH LIMITED | | |
| BU | EP-364819 | 04-25-1990 | THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND | | |
| BV | WO-94/26285 | 11-24-1994 | THE GENERAL HOSPITAL CORPORATION | | |
| BW | GB-9112859 | 07-31-1991 | IMPERIAL CHEMICAL INDUSTRIES PLC | | |
| BX | WO-99/53050 | 10-21-1999 | COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION | | |
| BY | AU-76177/91 | 11-19-1992 | COMMONWEALTH SERUM LABORATORIES LIMITED | | |
| BZ | FR-7923545 | 09-21-1979 | | | |
| BA1 | WO-95/08105 | 03-23-1995 | SYSTEMIX, INC. | | |
| BB1 | WO-96/14853 | 03-23-1996 | UNIVERSITY OF WASHINGTON, FRED HUTCHINSON CANCER RESEARCH CENTER | | |
| BC1 | AU-56394/94 | 09-01-1994 | ORTHO PHARMACEUTICAL CORPORATION | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

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| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|-----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | CA | Ali et al., (2000) Transplantation 69:221 | |
| | CB | Amado et al., (1999) Front. Biosci. 4:D468-475 | |
| | CC | Andrew et al., (2001) J. Immunol. 166(3): 1524-1530 | |
| | CD | Aspinall, et al., (2000) Vaccine 18:1629 | |
| | CE | Atassi et al., (2001) Crit. Rev. Immunol. 21:1 | |
| | CF | Bach (1983) Birth Defects Original Article Ser. 19(3): 245-253 | |
| | CG | Banerjee et al., (1994) Stem Cells 12:378 | |
| | CH | Basch, (1990) Aging: Immunology and Infectious Disease, Vol. 2, No. 4, 229-235 | |
| | CI | Belhadj et al., "Hepatosplenic gamma-delta T-cell lymphoma is a rare clinicopathologic entity with poor outcome: Report of a Series of 21 Patients," Blood, 2003, pp. 4261-4269, Vol. 102. | |
| | CJ | Berzins et al., (1999) Proc. Natl. Acad. Sci. USA (17): 9787-9791 | |
| | CK | Bloom et al., (1993) Science 257, 1055 | |
| | CL | Bodey et al., (1997) In Vivo 11(5): 421-440 | |
| | CM | Bolotin et al., (1996) Blood 88:1887 | |
| | CN | Bonyhadi et al., (1997) J. Virology 71:4707-4716 | |
| | CO | Boyd et al., (1993) Immunology Today 14:445 | |
| | CP | Capecchi, (1980) Cell 22:479-488 | |
| | CQ | Castle, (2000) Clin Infect Dis 31(2): 578-585 | |
| | CR | Coleman et al., (1989) Ultrasound Med. Biol. 15:213-227 | |
| | CS | Davis et al. (1998) Hum. Gene Ther., p. 1197-207 | |
| | CT | Denis et al., (1998) Infection and Immunity, (66)4:1527-1533 | |
| | CU | DiGusto et al., (1997) Blood 87:1261 | |
| | CV | Douek et al., (2001) J. Immunol. 167:6663-8 | |
| | CW | Douek et al., (1998) Nature 396:690 | |
| | CX | Doukas et al., (1995) Ultrasound Med. Biol. 21:961 | |
| | CY | Ellis, "New Technologies for Making Vaccines," Chapter 29 of "Vaccines", Plotkin et al., 1998, pp. 568-574. | |
| | CZ | Engel et al., (1999) Frontiers in Bioscience 4, e26-33 | |
| | CA1 | Ernst et al., (1990) J. Immunol. 145:1295 | |
| | CB1 | Fabris et al., (1997) Cell Mol. Biol., 43(4): 529-541 | |
| | CC1 | Fabris et al., (1995) Aging Apr; 7(2): 77-93 | |
| | CD1 | Faltynek et al., (1992) J. Immunol. 149:1276 | |
| | CE1 | Fearon et al., (1996) Science 272:50 | |
| | CF1 | Fernando et al., (1999) Clin. Exp. Immunol. 115:397 | |
| | CG1 | Fitzpatrick et al., (1987) J. Endocr. 113, 51-55 | |
| | CH1 | Flynn et al., (1992) Proc. Natl. Acad. Sci. USA 89:12013 | |
| | CI1 | Fredrickson et al., (1994) Development and Comparative Immunology 18:251 | |
| | CJ1 | Fry et al., (2001) Blood 97(6): 1525-1533 | |
| | CK1 | Garrovillo et al., (1999) Transplantation 68:1827 | |
| | CL1 | George et al., (1996) Immunol. Today 17:267 | |
| | CM1 | Gill et al., (2002) Nat. Immunol. 3:635 | |
| | CN1 | Godfrey et al., (1993) Immunol. Today 14:547 | |
| | CO1 | Gojo et al., Gene Therapy and Transplantation, (2000), Vol. 69, pp. 1-9. | |
| | CP1 | Goldberg et al., (2003) Abstract, ASBMT, Keystone USA | |
| | CQ1 | Goldberg et al., (2002) Abstract of Oral Presentation, Immunology Group of | |
| Examiner Signature | | | Date Considered |

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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| | | |
|-----------------------|--|--------------------|
| | Victoria, Beachworth AU | |
| CR1 | Greenstein et al., (1987) J. Endocr., 112, 345-350 | |
| CS1 | Grossman, (1985) Science 227: 256-261 | |
| CT1 | Hadden, (1998) New York Academy of Sciences, 840: 352-358 | |
| CU1 | Haseloff et al., (1988) Nature 334:585 | |
| CV1 | Hazenberg et al., (2001) J. Mol. Med. 79:631-40 | |
| CW1 | Heitger et al., (1997) Blood 90: 850-857 | |
| CX1 | Hirokawa, (1998) "Immunity and Ageing," in PRINCIPLES AND PRACTICE OF GERIATRIC MEDICINE, (M. Pathy, ed.) John Wiley and Sons Ltd. | |
| CY1 | Hirokawa et al., (1975) J. Immunol. 114:1659 | |
| CZ1 | Hochberg et al., (2001) Blood 98:1116-21 | |
| CA2 | Homo-Delarche et al., (1993) Springer Sem. Immunopathol. 14:221 | |
| CB2 | Hu et al., (1993) Int. Immunol. 5:1035-1039 | |
| CC2 | Huiskamp et al., (1983) Radiation Research 95:370 | |
| CD2 | Igarashi et al., (2001) Proc. Natl. Acad. Sci. USA, 98(26): 15131-15136 | |
| CE2 | Jacobson et al., (1999) J. Allergy Clin. Immunol., 104(3): Pt. 1, 653-658 | |
| CF2 | Janeway et al., (2001) Immunobiology 5th Ed., p. 325 | |
| CG2 | Jenkinson et al., (1985) Transplantat. 39:331 | |
| CH2 | Kamradt et al., (2001) N. Engl. J. Med. 344:655-664. | |
| CI2 | Kendall, (1988) "Anatomical and physiological factors influencing the thymic microenvironment," in THYMUS UPDATE I, Vol. 1. (M. D. Kendall, and M. A. Riller, eds.) Harwood Academic Publishers, p. 27 | |
| CJ2 | Kincade et al. (2000) Immunological Reviews, 175: 128-137 | |
| CK2 | Kissin et al., (1987) Radiology, 163(1): 67-70 | |
| CL2 | Kohen et al., (1998) Developmental Immunology, 5: 277-285 | |
| CM2 | Komschlies et al., (1995) J. Leukoc. Biol. Dec.: 58(6): 623-633 | |
| CN2 | Krijanovski, et al., (1999) Blood 94:825 | |
| CO2 | Kurashima et al., (1995) Int. Immunol. 7:97 | |
| CP2 | LeMaoult et al., (2000) J. Immunol. 165:2367 | |
| CQ2 | Leposavic et al., (1995) Neuroimmunomodulation 2:100-107 | |
| CR2 | Lin et al., (1996) Cancer Res. 56:21 | |
| CS2 | Mackall et al., (1998) Eur. J. Immunol. 28: 1886-1893 | |
| CT2 | Mackall et al., (1997) Immunology Today, 18(5): 245-251 | |
| CU2 | Maraskovsky et al., (1997) Cell 89(7): 1011-9 | |
| CV2 | Masera et al., "Is Orchiectomy Indicated Before BMT in Childhood ALL?" Bone Marrow Transplant, 1991, Vol. 8, No. S1, pp 33-35 | |
| CW2 | Matera, Neuroimmunomodulation (1997) 4(4): 171-80 | |
| CX2 | Medina et al., (2001) Nat. Immunol. 2:718 | |
| CY2 | Miller et al., (1976) J. Immunol. 117:1519 | |
| CZ2 | Morale et al., (1991) Endocrinology, 128(2): 1073-1085 | |
| CA3 | Morrissey et al., (1991) J. Immunol. 146:1547 | |
| CB3 | Murasko et al., (2002) Exp. Gerontol. 37:427-439 | |
| CC3 | Nicoletti et al., (1993) J. Immunol. 150:543-549 | |
| CD3 | Noach et al., (2002) Blood 100:312 | |
| CE3 | Oberbeck, (2003) J. Surg Res. 113(2): 248-56 | |
| CF3 | Oliver et al., (1995) Urol. Int., 54:226-229 | |
| CG3 | Olsen, et al., (2001) J. Clin. Invest. 108:697 | |
| CH3 | Oluwole et al., (1993) Transplantation 56:1523-1527 | |
| CI3 | Orme et al., (1993) J. Infect. Dis. 167:1481 | |
| Examiner Signature | | Date Considered |

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| | | | |
|-----------------------|-----|--|--|
| | CJ3 | Pacheco et al., (1979) J. Parasitol. 65:414 | |
| | CK3 | Panoskaltzis et al., (1999) Frontiers in Bioscience 4:457 | |
| | CL3 | Parkman et al., (1997) Immunol. Rev. 157:73 | |
| | CM3 | Penit et al., (1996) Dev. Immunol. 5:25 | |
| | CN3 | Perriman et al., (1992) Gene 113:157 | |
| | CO3 | Plavec et al., (1996) Gene Ther. p. 717-24 | |
| | CP3 | Podda et al., (1992) Proc. Natl. Acad. Sci. USA 89:9676 | |
| | CQ3 | Prasad et al., (1988) J. Clin. Invest. Oct; 82(4): 1202-1210 | |
| | CR3 | Ranga et al., (1998) Proc. Natl. Acad. Sci. USA 95:1201 | |
| | CS3 | Renia et al., (1993) J Immunol. 150:1471 | |
| | CT3 | Robinson, et al. (2000) Adv. Virus Res. 55:1-74 | |
| | CU3 | Romain et al., (1993) Proc. Natl. Acad. Sci. USA 90:5322 | |
| | CV3 | Ross et al., "Gene Therapy in the United States: A Five-Year Status Report," Human Gene Therapy, 1996, pp. 1781-1790, Vol. 7. | |
| | CW3 | Sato et al., (2004) Br. J. Cancer 90:1334 | |
| | CX3 | Seder et al., (1994) Annu. Rev. Immunol. 12:635 | |
| | CY3 | Sempowski et al., (2002) Mol. Immunol. 38:841-84 | |
| | CZ3 | Shaffer et al., (2003) Lancet Oncol. 4:407 | |
| | CA4 | Shortman et al., (1990) Seminars in Immuno. 2:3 | |
| | CB4 | Shull et al., (1992) Nature 359:693 | |
| | CC4 | Smithson et al., (1995) J. Immunol. 155:3409 | |
| | CD4 | Soares et al., J. Immunol. (1998) 161:5909-5917 | |
| | CE4 | Starzl et al., (1992) Lancet 339:1579 | |
| | CF4 | Siern et al., (1989) Corneal Laser Ablation, 107: 587-592 | |
| | CG4 | Storek et al., (2001) Blood 98:3505 | |
| | CH4 | Suda et al., (1991) J. Immunol. 146:3068 | |
| | CI4 | Takeoka et al., (1999) Clin. Immunol. 90:388-398 | |
| | CJ4 | Tang et al., (1997) J. Immunol. 159:117 | |
| | CK4 | Tanghe et al., (2000) Infection and Immunity 68(7): 3854-3860 | |
| | CL4 | Thurmond et al., (2000) Endocrinol. 141:2309 | |
| | CM4 | Thomas-Vaslin et al., (1997) P.N.A.S. (U.S.A.) 94:4598-4603 | |
| | CN4 | Tomita et al., (1994) J. Immunol. 153:1087-1098 | |
| | CO4 | Ulmer et al., (1993) Science 259:1745 | |
| | CP4 | Utsuyama et al. (1989) Mech. of Ageing Dev. 175-185 | |
| | CQ4 | van Ewijk et al., (1980) J. Histochem. Oct 28(10): 1089 | |
| | CR4 | Vickery et al., (1984) LHRH AND ITS ANALOGS: CONTRACEPTIVE & THERAPEUTIC APPLICATIONS (Vickery et al., eds.) MTP Press Ltd., Lancaster, PA | |
| | CS4 | Viselli et al., (1997) Cellular Immunology 182, 99-104 | |
| | CT4 | Von Freeden-Jeffry et al., (1995) J. Exp. Med. 181:151 | |
| | CU4 | Wang et al., (2003) Br. J. Cancer 88:887 | |
| | CV4 | Weinberg et al., (1995) Biol. Blood Marrow Transplant1 (1): 18-23 | |
| | CW4 | Weiss et al., (1992) J. Immunol. 149:2103 | |
| | CX4 | Weyand et al., (1998) Mech. Age. Dev. 102: 131-147 | |
| | CY4 | Wiles et al., (1992) Eur. J. Immunol. 22:1037 | |
| | CZ4 | Windmill et al. (1993) Reprod. Fertil. Dev. 5, 73-81 | |
| | CA5 | Woffendin et al., (1994) Proc. Natl. Acad. Sci. USA, 91:11581 | |
| | CB5 | Wu et al., (1996) Am. J. Repro. Immunol. 35(6): 510-516 | |
| | CC5 | Young et al., (1991) Res. Microbiol. 142:55 | |
| | CD5 | Zlotnik et al., (1995) Curr. Opin. Immunol. 7:206. | |
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| | | Attorney Docket Number | 0286336.00160US1/NOR-021US |

| | |
|-----|---|
| CE5 | Zhang et al., (1999) J. Exp. Med. 190:725 |
| CF5 | Yang et al., (1994) "The Particle Bombardment System for Mammalian Gene Transfer," in PARTICLE BOMBARDMENT TECHNOLOGY FOR GENE TRANSFER (Yang, N.-S. and Christou, P., eds.), Oxford University Press, New York, pp. 117-141 |
| CG5 | Woffendin et al., (1996) Proc. Natl. Acad. Sci. USA, 93:2889 |
| CH5 | Windmill et al., (1998) Tissue Cell 30(1): 104-111 |
| CI5 | Wilson et al., (1995) Blood 85:1535 |
| CJ5 | Wiker et al., (1992) Microbiol. Rev. 56: 648 |
| CK5 | Weksler et al., (2000) Vaccine 18:1624-1628 |
| CL5 | Weiss et al., (1988) Proc. Natl. Acad. Sci. USA 85:573 |
| CM5 | Waterhouse et al., (1998) Proc. Natl. Acad. Sci. USA 95:13959 |
| CN5 | Waldrop et al., (1998) J. Immunol. 161(10): 5284-95 |
| CO5 | Vogelsang et al., "Thalidomide Induction of Bone Marrow Transplantation Tolerance," Transplantation Proceedings, 1987, Vol. XIX, No. 1, pp 2658-2661 |
| CP5 | Viselli et al. (1995) Immunology 84: 337-342 |
| CQ5 | van Ewijk et al., (1991) Annu. Rev. Immunol. 9:591-615 |
| CR5 | Utsuyama et al., (1995) Mech. Ageing Dev. 107-117 |
| CS5 | Umesaki et al., (1999) Gynecol. Obstet. Invest. 48:66-8 |
| CT5 | Tosi et al., (1982) Clin. Exp. Immunol. Feb; 47(2): 497-504 |
| CU5 | Timm et al., (1999) J. Immunol. 162:711 |
| CV5 | Thomson et al., (1999) Immunology Today 20(1):27 |
| CW5 | THE JORDAN REPORT 2000: ACCELERATED DEVELOPMENT OF VACCINES, published by the Division of Microbiology and Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health (available at http://www.niaid.nih.gov/publications/pdf/jordan.pdf -last visited Apr. 2004) |
| CX5 | Tanghe et al., (2001) Infection and Immunity, p. 3041-3047 |
| CY5 | Talwar, (1999) Immunol. Rev. 171:173-92 |
| CZ5 | Suda et al., (1992) J. Immunol. 149(1): 71-76 |
| CA6 | Strayer et al., (2002) Therapy 5:33-41 |
| CB6 | Storek et al., (1997) Am. J. Hematol. 54:131 |
| CC6 | Steffens et al., (2000) Clin. Immunol. 97:95 |
| CD6 | Spittler, "Cancer Vaccines: The Interferon Analogy," Cancer Biotherapy, 1995, Vol. 10, pp. 1-3. |
| CE6 | Smithson et al., (1998) J. Immunol. 161:27-35 |
| CF6 | Silva et al., (1994) Immunol. 82:244 |
| CG6 | Shu et al., (1993) J. Virol. 67:2723 |
| CH6 | Shippy et al., (1999) Mol. Biotechnol. 12: 117 |
| CI6 | Sempowski et al., (2000) J. Immunology 164: 2180-2187 |
| CJ6 | Segeren et al., (1999) Br. J. Haem. 105: 127-130 |
| CK6 | Scollay et al., (1980) Eur. J. Immunol. 10:210 |
| CL6 | Rossi et al., (2002) Blood 100:682-691 |
| CM6 | Rosenzweig et al., (1997) Blood, 90(12): 4822-4831 |
| CN6 | Rodrigues et al., (1991) Int. Immunol. 3: 579 |
| CO6 | Repique et al., (2002) Infection and Immunity, p. 3318-3323 |
| CP6 | Rao et al., (1994) Am. J. Reproductive Immunology, 32:238-247 |
| CQ6 | Randle-Barrett et al., (1995) Dev. Immunol. 4:101 |
| CR6 | Potter et al., (1984) Proc. Natl. Acad. Sci. USA 81:7161-7165 |
| CS6 | Plosker et al., (1994) Drugs 48:930 |
| CT6 | Peschon et al., (1994) J. Exp. Med. 180(5): 1955-1960 |
| CU6 | Penit et al., (1989) Proc. Natl. Acad. Sci. U.S.A. 86:5547 |

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| Sheet | 8 | of | 10 |

| | | | |
|--------------------|-----|---|--|
| | CV6 | Pawelec et al., (1999) Frontiers in Bioscience 4, 216-269 | |
| | CW6 | Panoskaltis-Mortari et al., (2000) Blood 96:4350 | |
| | CX6 | Panarai et al., (1997) Immunol. Today 4: 191-192 | |
| | CY6 | Ortman et al., (2002) Int. Immunol. 14:813 | |
| | CZ6 | Oosterwegel et al., (1997) Immunity 6(3): 351-360 | |
| | CA7 | Olsen et al., "Androgen Deprivation Induces Phenotypic and Functional Changes in the Thymus of Adult Male Mice," Endocrinology, 1991, pp. 2471-2476, Vol. 129, No. 5 | |
| | CB7 | Olsen et al., (2001) Endocrinol. 142:1278 | |
| | CC7 | Ohnishi et al., (2003) Int. J. Mol. Med. 1:331 | |
| | CD7 | Nowak, (1999) New Scientist, pg. 11 | |
| | CE7 | Nikolic et al., (2000) Blood, 96(3): 1166-1172 | |
| | CF7 | Nabel et al., (1992) Hum. Gene Ther. 3:649-656 | |
| | CG7 | Mosley et al., (1998) Cell. Immunol. 189:10 | |
| | CH7 | Morelli et al., (2001) Semin. Immunol. 13:323-335 | |
| | CI7 | Mocchegiani et al., (1990) Horm. Res. 33(6): 248-55 | |
| | CJ7 | Mercader et al., (2001) PNAS 98(25): 14565-14570 | |
| | CK7 | Matzinger et al., (1989) Nature 338:74-60 | |
| | CL7 | Masuzawa et al., (1994) J. Clin. Invest. 94:1090 | |
| | CM7 | Martinez et al., (2003) J. Clin. Invest. 111:1365 | |
| | CN7 | Mackall et al., (1995) New England J. Med. 332:143 | |
| | CO7 | Mackall et al., (1997) Immunol. Rev. 160:91 | |
| | CP7 | Lincz et al., (2001) Leuk. and Lymph. 40: 373 | |
| | CQ7 | Lewin et al., (2002) Blood 100:2235 | |
| | CR7 | LeMaoult et al., (1999) J. Immunol. 162:6384-6391 | |
| | CS7 | Landstrom et al., (1997) Int. J. Cancer 71, 451-455 | |
| | CT7 | Krug (2004) Sem. Oncol. 31:112 | |
| | CU7 | Kouro et al., (2001) Blood 97:2708 | |
| | CV7 | Kojima et al., "Immunosuppressive Therapy Using Antithymocyte Globulin, Cyclosporine, and Danazol With or Without Human Granulocyte Colony-Stimulating Factor in Children With Acquired Aplastic Anemia," Blood, September 15, 2000, Vol. 96, No. 6, pp 2049-2054 | |
| | CW7 | Kohn et al., (1999) Blood 94:368-371 | |
| | CX7 | Kirschmann et al., (1992) Cell. Immunol. 139:426 | |
| | CY7 | Kincade et al., (2002) Immunology, 14: 385-394 | |
| | CZ7 | Kendall et al., (1990) Cell Tissue Research, 261(3):555-64 | |
| | CA8 | Junker et al., (1998) Hum Gene Ther., p. 333-40 | |
| | CB8 | Jansson et al., (1994) J. Neuroimmunology 53:203-207 | |
| | CC8 | Jacobson et al., (1994) Endocrinology, Vol. 184(6): 2516-2523 | |
| | CD8 | Jacobson et al., (1999) Endocrinology, 140(8): 3429-3437 | |
| | CE8 | Huygen et al., (1992) Infect. Immunity 60:2880 | |
| | CF8 | Huiskamp et al., (1985) J. Immunol., 134(4): 2161-2171 | |
| | CG8 | Hsu et al., (2000) Cancer Res. 60:3701 | |
| | CH8 | Hoffman et al., (1991) Science 252: 520 | |
| | CI8 | Hobbs et al., (1993) J. Immunol. 150:3602 | |
| | CJ8 | Hirokawa et al., (1994) Immunology Letters 40:269 | |
| | CK8 | Hertogh-Huibregts et al., (1990) Mech. Ageing Dev. 53:141-155 | |
| | CL8 | Heitger et al., (2002) Blood 99:4053-4062 | |
| | CM8 | Haynes et al., (1999) J. Clin. Invest. 103: 453-460 | |
| | CN8 | Hannet et al., (1992) Immunol. Today, June; 13(6): 215-218 | |
| | CO8 | Grossman, (1984) Endocrine Reviews, 5(3): 435-455 | |
| Examiner Signature | | Date Considered | |

PTO/SB/08a/b (07-05)

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| | |
|-----|--|
| CP8 | Greenstein et al., (1986) J. Endocr. 110, 417-422 |
| CQ8 | Graham et al., (1973) Virology 52:456-457 |
| CR8 | Goldberg et al., (2002) Abstract/Poster Presentation ASH, Philadelphia USA |
| CS8 | Goldberg et al., (2003) Poster Presentation, ASBMT, Keystone USA |
| CT8 | Godfrey et al., (1990) Immunol. 70:66 |
| CU8 | Girasole et al., (1992) J. Clin. Invest. 89:883 |
| CV8 | Ghali et al., "Prevention of Hypermenorrhea With Leuprolide in Premenopausal Women Undergoing Bone Marrow Transplantation," American Journal of Hematology, 1993, Vol. 42, pp 350-353 |
| CW8 | Garzetti et al., (1996) Obstet. Gynecol. 88: 234-40 |
| CX8 | Garrovillo et al., (2001) Am. J. Transplant. 1:129 |
| CY8 | Fry, et al., (2001) Trends Immunol. 22(10): 564-571 |
| CZ8 | Franke et al., (2000) Infect. Immun. 68:3403 |
| CA9 | Flurkey et al., (1992) J. Gerontol. 47:B115 |
| CB9 | Fitzpatrick et al., "Reappearance of Thymus of Ageing Rats after Orchidectomy," Journal of Endocrinology, 1985, pp. R17-R19, Vol. 106 |
| CC9 | Feldman et al., "Anti-TNF α Therapy is Useful in Rheumatoid Arthritis and Crohn's Disease: Analysis of the Mechanism of Action Predicts Utility in Other Diseases," Transplantation Proceeding, 1998, Vol. 30, pp. 4126-4127. |
| CD9 | Fan et al., (2002) J. Immunol. 168:755-62 |
| CE9 | Faith et al., (1991) Immunol. 74:1 |
| CF9 | Fabro et al., (1990) J. Appl. Phys. 68:775 |
| CG9 | Ezzell NIH Research, "Cancer 'Vaccines': An Idea Whose Time Has Come?" 1995, Vol. 7, pp. 46-49. |
| CH9 | Erben et al., (2001) Horm. Metab. Res. (2001) 33:491 |
| CI9 | Ellis et al., (2001) Int. Immunol. 13:553-558 |
| CJ9 | Dreger et al., (1993) Blood 81:1404 |
| CK9 | Dougherty et al., (1995) Curr. Opin. Cell Biol. 7:399 |
| CL9 | Douek et al., (2000) Lancet 355:1875 |
| CM9 | Doria et al., (1997) Mech. Age. Dev. 95: 131-142 |
| CN9 | DeWit et al., (1994) DNA Seq. 4:267 |
| CO9 | Dawe et al., (1993) Springer Semin. Immunopathol. 14:285 |
| CP9 | Consolini et al., (2000) Clin. Exp. Immunol. 121(3): 444-447 |
| CQ9 | Charoenvit et al., (1991) J. Immunol. 146: 1020 |
| CR9 | Carayon et al., (1992) J. Imm. Methods 147:225 |
| CS9 | Bruijntjes et al., (1993) Dev. Immunol. 3:113 |
| CT9 | Borremans et al., (1989) Infect. Immunity 57:3123 |
| CU9 | Bonato et al., (1998) Infection and Immunity, 66(1): 169-175 |
| CV9 | Bolotin et al., (1999) Bone Marrow Transplant, 23(8): 783-788 |
| CW9 | Bodey et al., (1997) In Vivo 11(4): 351-370 |
| CX9 | Berzins et al., (1998) J Exp. Med. 187: 1839 |
| CY9 | Belmont et al., (1997) "Methods for Efficient Retrovirus-Mediated Gene Transfer to Mouse Hematopoietic Stem Cells," in Gene Therapy Protocols (P.D. Robbins, ed.), Humana Press, pp. 223-240 |
| CZ9 | Bauer et al., (1997) Blood 89:2259-2267 |
| CAA | Batard et al., (2000) J. Cell. Sci. 113:383-90 |
| CBA | Bahnsen et al., (1997) "Method for Retrovirus-Mediated Gene Transfer to CD34 $^{+}$ -Enriched Cells," in Gene Therapy Protocols (P.D. Robbins, ed.), Humana Press, pp.249-263 |
| CCA | Atlan-Gepner et al., (1999) Autoimmunity 3:249-260 |

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|--------------------|--|-----------------|--|
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|--|-----|---|--|
| | CDA | Aspinall, (1997) J. Immunol. 158:3037 | |
| | CEA | Andrew et al., (2002) Exp. Gerontol. 37:455 | |
| | CFA | Andersen, (1994) Infect. Immunity, 62:2536 | |
| | CGA | Alpdogan et al., (2001) Blood 98:2256 | |
| | CHA | Akashi et al., (1997) Cell 89(7) 1033-1041 | |
| | CIA | Abdoudkhil, et al., (1991) Scand. J. Immunol. 34, 647-653 | |

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